

Appln No. 09/721,858
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 Response to Office action of July 06, 2004

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Amendments to the Specification:

The paragraphs beginning at Page 1, lines 7-30 through to Page 3, lines 1-3, to be amended as follows:

Various methods, systems and apparatus relating to the present invention are disclosed in the following co-pending applications/granted patents filed by the applicant or assignee of the present invention simultaneously with the present invention:

<u>09/721.895NPA060US,</u>	<u>09/721.8944NPA061US,</u>	<u>09/722.174NPA081US,</u>
<u>09/721.896NPA082US,</u>	<u>09/722.148NPP010US,</u>	<u>09/722.146NPP013US,</u>
<u>09/721.861NPP015US,</u>	<u>6.741.871NPP020US,</u>	<u>09/722.171NPP021US,</u>
<u>09/721.858NPP022US,</u>	<u>09/722.142NPP023US,</u>	<u>09/722.087NPS014US,</u>
<u>09/722.141NPS015US,</u>	<u>09/722.175NPS017US,</u>	<u>09/722.147NPS018US,</u>
<u>09/722.172NPS022US,</u>	<u>09/721.893NPS027US,</u>	<u>09/722.088NPS028US,</u>
<u>09/721.862NPT008US,</u>	<u>6.530.339BIN01US,</u>	<u>BIN02US,</u>
<u>6.631.897BIN03US,</u>	<u>BIN04US</u>	

The disclosures of these co-pending applications are incorporated herein by cross-reference. ~~Each application is temporarily identified by its docket number. This will be replaced by the corresponding USSN when available.~~

Various methods, systems and apparatus relating to the present invention are disclosed in the following co-pending applications/granted patents filed by the applicant or assignee of the present invention on October 20, 2000:

<u>09/693.415NPA011US,</u>	<u>09/693.219NPA031US,</u>	<u>09/693.280NPA040US,</u>
<u>09/693.515NPA046US,</u>	<u>09/693.705NPA053US,</u>	<u>09/693.647NPA059US,</u>
<u>09/693.690NPA064US,</u>	<u>09/693.593NPB006US,</u>	<u>6.474.888NPS004US,</u>
<u>6.627.870NPS008US,</u>	<u>6.724.374NPS013US,</u>	<u>09/696.514NPS024US,</u>
<u>6.454.482UP01US,</u>	<u>09/693.704UP02US,</u>	<u>6.527.365UP03US,</u>
<u>6.474.773UP04US,</u>	<u>6.550.997UP05US</u>	

The disclosures of these co-pending applications are incorporated herein by cross-reference. ~~Each application is temporarily identified by its docket number. This will be replaced by the corresponding USSN when available.~~

Various methods, systems and apparatus relating to the present invention are disclosed in the following co-pending applications/granted patents filed by the applicant or assignee of the present invention on September 15, 2000:

<u>6.679.420NPA024US,</u>	<u>09/669.599NPA025US,</u>	<u>09/663.701NPA047US,</u>
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6.720.985NPA049US

The disclosures of these co-pending applications are incorporated herein by cross-reference. ~~Each application is temporarily identified by its docket number. This will be replaced by the corresponding USSN when available.~~

Various methods, systems and apparatus relating to the present invention are disclosed in the following co-pending applications/granted patents filed by the applicant or assignee of the present invention on June 30, 2000:

<u>09/609.139 NPA014US,</u>	<u>9/608.970NPA015US,</u>	<u>6.678.499NPA022US,</u>
<u>09/607.852NPA026US,</u>	<u>09/607.656NPA038US,</u>	<u>6.766.942NPA041US,</u>
<u>09/609.303NPA050US,</u>	<u>09/610.095NPA051US,</u>	<u>9/609.596NPA052US,</u>
<u>9/607.843NPA063US,</u>	<u>09/607.605NPA065US,</u>	<u>9/608.178NPA067US,</u>
<u>9/609.553NPA068US,</u>	<u>09/609.233NPA069US,</u>	<u>9/609.149NPA071US,</u>
<u>09/608.022NPA072US,</u>	<u>NPB003US—9/607.844NPB004US,</u>	
<u>6.457.883NPB005US,</u>		
<u>9/608.920NPP019US,</u>	<u>09/607.985PEC04US,</u>	<u>6.398.332PEC05US,</u>
<u>6.394.573PEC06US,</u>	<u>6.622.923PEC07US</u>	

The disclosures of these co-pending applications are incorporated herein by cross-reference. ~~Each application is temporarily identified by its docket number. This will be replaced by the corresponding USSN when available.~~

Various methods, systems and apparatus relating to the present invention are disclosed in the following co-pending applications/granted patents filed by the applicant or assignee of the present invention on 23 May 2000:

<u>09/575.197NPA001US,</u>	<u>09/575.195NPA002US,</u>	<u>09/575.159NPA004US,</u>
<u>09/575.132NPA005US,</u>	<u>09/575.123NPA006US,</u>	<u>09/575.148NPA007US,</u>
<u>09/575.130NPA008US,</u>	<u>09/575.165NPA009US,</u>	<u>09/575.153NPA010US,</u>
<u>09/575.118NPA012US,</u>	<u>09/575.131NPA016US,</u>	<u>09/575.116NPA017US,</u>
<u>09/575.144NPA018US,</u>	<u>09/575.139NPA019US,</u>	<u>09/575.186NPA020US,</u>
<u>6.681.045NPA021US,</u>	<u>6.728.000NPA030US,</u>	<u>09/575.145NPA035US,</u>
<u>09/575.192NPA048US,</u>	<u>09/575.181NPA075US,</u>	<u>09/575.193NPB001US,</u>
<u>NPB002US,</u>	<u>09/575.183NPK002US,</u>	<u>09/575.160NPK003US,</u>
	<u>09/575.150NPK004US,</u>	
<u>09/575.169NPK005US,</u>	<u>6.644.642NPM001US,</u>	<u>6.502.614NPM002US,</u>
<u>6.622.999NPM003US,</u>	<u>6.669.385NPM004US,</u>	<u>6.549.935NPN001US,</u>
<u>09/575.187NPP001US,</u>	<u>6.727.996NPP003US,</u>	<u>6.591.884NPP005US,</u>
<u>6.439.706NPP006US,</u>	<u>6.760.119NPP007US,</u>	<u>09/575.198NPP008US,</u>
<u>6.290.349NPP016US,</u>	<u>6.428.155NPP017US,</u>	<u>6.785.016NPP018US,</u>

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<u>09/575.174NPS001US,</u>	<u>09/575.163NPS003US,</u>	<u>6.737.591NPS020US,</u>
<u>09/575.154NPT001US,</u>	<u>09/575.129NPT002US,</u>	<u>09/575.124NPT003US,</u>
<u>09/575.188NPT004US,</u>	<u>09/575.189NPX001US,</u>	<u>09/575.162NPX003US,</u>
<u>09/575.172NPX008US,</u>	<u>09/575.170NPX011US,</u>	<u>09/575.171NPX014US,</u>
<u>09/575.161NPX016US,</u>	<u>6.428.133H52US,</u>	<u>6.526.658HM52US,</u>
<u>6.315.399MJ10US,</u>	<u>6.338.548MJ11US,</u>	<u>6.540.319MJ12US,</u>
<u>6.328.431MJ13US,</u>	<u>6.328.425MJ14US,</u>	<u>09/575.127MJ15US,</u>
<u>6.383.833MJ34US,</u>	<u>6.464.332MJ47US,</u>	<u>6.390.591MJ58US,</u>
<u>09/575.152MJ62US,</u>	<u>6.328.417MJ63US,</u>	<u>6.409.323PAK04US,</u>
<u>6.281.912PAK05US,</u>	<u>6.604.810PAK06US,</u>	<u>6.318.920PAK07US,</u>
<u>6.488.422PAK08US,</u>	<u>09/575.108PEG01US,</u>	<u>09/575.109PEG02US,</u>
<u>09/575.110PEG03US</u>		

The disclosures of these co-pending applications are incorporated herein by cross-reference. Each application is temporarily identified by its docket number. This will be replaced by the corresponding USSN when available.

The paragraphs beginning at Page 8, lines 1-23, to be amended as follows:

A page can be printed with one or more machine-readable codes which identify an electronic version of the page stored in a computer system. This can allow the page to be used as a token for obtaining a pristine digital copy of the page, described further in our earlier application USSN 09/693,219 (docket no. NPA031US), obviating any need to physically scan and print (i.e. "photocopy") the page. It can also allow the page to be used in conjunction with a hand-held code-sensing device to capture user input in relation to the page, such as handwriting and hyperlink activations described further in our earlier application USSN 09/722,142 (docket no. NPP023US). The machine-readable codes are preferably unobtrusive and ideally invisible, e.g. printed using an ink which is machine-readable but invisible to the unaided human eye, such as an infrared-absorptive ink.

Various workgroup printers have been described which also act as "walk-up" document terminals, i.e. they provide a user interface which allows a document to be selected and printed without recourse to a workstation, and in particular, without recourse to a workstation with access to the original electronic version of the document. An example of such a workgroup printer is described further in our earlier application USSN 09/505,003 (docket no. SP05US). Documents which may be selected and printed

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in this way are typically documents which have been previously printed via the printer, and in the process stored on the printer's internal hard disk. To optimize printing speed, the documents are typically stored in a rasterized or partially-rasterized format. A user may have the option to "print" a document to the printer's hard disk, i.e. to make it available for walk-up printing without actually printing it.

The paragraph beginning at Page 8, lines 28-30 through to Page 9, lines 1-3, to be amended as follows:

A printer may include a binding mechanism for binding the pages of a document into a single whole. Various binding mechanisms suitable for inclusion in a high-speed work-group printer are described further in our co-filed application USSN 09/6,530,339 (docket no. ~~BN01US~~). Since a document must typically be sent to a printer as a single document to produce a bound copy, document integration is normally a prerequisite for binding. This presents a barrier to many users.

The paragraphs beginning at Page 9, lines 26-30 through to Page 10, lines 1-18, to be amended as follows:

The preferred binding mechanism, described further in our co-filed application USSN 09/6,530,339 (docket no. ~~BN01US~~), consists of a page-height adhesive applicator 1030, and a page-height stamper 1032. The adhesive applicator applies a strip of adhesive adjacent to the spine of a page just before the page enters the output bin. The stamper 1032 presses the pages in the output bin together, causing pages with adhesive strips to adhere to each other. Adhesive may be applied to either the front or the back of each page of a document. When it is applied to the front, it is not applied to the first page. When it is applied to the back, it is not applied to the last page. The stamper is typically operated after the last page of the document is printed, although if adhesive is applied to the front of each (face-down) page, then the stamper may be used after each page is printed or periodically during the printing of a document. Alternative binding mechanisms include corner or page-height stapling and clamping.

The preferred code sensor 1024, described further in our earlier application USSN 09/722,142 (docket no. ~~NPP023US~~), consists of a light source, projection and image capture optics, and an image sensor. Codes are represented by optical patterns which are printed or otherwise applied to a surface, for example as described further in our earlier

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application USSN 09/722,142_____ (docket no. NPP023US). As a source page 1012 is transported past the code sensor 1024, the printer controller 1040 captures images of the page surface via the image sensor, decodes the optical patterns found in the images, and thereby obtains one or more codes which directly or indirectly identify the source page and/or a document of which the source page is part. Codes may alternatively be represented electronically, magnetically, topographically, or chemically, with correspondingly adapted code sensors.

The paragraph beginning at Page 10, lines 25-31 through to Page 11, lines 1-4, to be amended as follows:

During code sensing, as illustrated in Figure 3, the input transport mechanism 1022 picks up a source page 1012, the processor senses codes from one or both sides of the source page via the code sensors 1024, and the output transport mechanism 1028 deposits the source page in the output tray. Copying consists of a code sensing phase followed by a printing phase. In the preferred arrangement, the code sensors are a fixed part of the apparatus. As an alternative to this arrangement, the code sensor may be embodied in a hand-held device, such as a suitably enabled pen or stylus, as described further in our earlier application USSN 09/721,893_____ (docket no. NPS027US), so that the user specifies how the printed document is collated by manually sensing a set of pages, in which case the printer need not necessarily include the code sensor 1024 in the paper path.

The paragraph beginning at Page 11, lines 8-12, to be amended as follows:

The printer may also be enabled, described further in our earlier application USSN 09/722,142_____ (docket no. NPP023US), for receiving, interpreting and/or relaying transmissions from a hand-held code sensing device, such as a suitably enabled pen or stylus, as described further in our earlier application USSN 09/721,893_____ (docket no. NPS027US).

The paragraph beginning at Page 13, lines 6-11, to be amended as follows:

The printer controller includes a high-speed serial interface 1048 for communicating with a pair of print engine/controllers 1050, each of which controls a printhead 1052. In the preferred form of the printer, the printheads 1052 are high-speed inkjet printheads, and the print engine/controllers 1050 accept compressed page descriptions which they expand and

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send to the printheads in real time, described further in our earlier application USSN
09/505,003 ~~_____ (docket no. SP05US).~~